

A. Summary Of Problem. Recently there was an electrical and hydraulic system fire during operation of an M109A6 Self-Propelled Howitzer resulting in minor injuries to crew and catastrophic loss of vehicle.

B. Parts, Assembly, Or Components To Be Inspected. Investigation has identified loosened hydraulic accumulator/mounting bracket and screws as contributing factors. Loosened hydraulic accumulator may strike electrical system components and initiate hydraulic system fire.

4. User Actions:

A. Inspection Procedures. Before next operation of the vehicle, crewmen need to verify that the pulse accumulator (NSN 1420-01-149-0718, TM 9-2350-314-10, page 1-24, item 17), and bracket are securely attached to the hydraulic compartment wall. Firmly grasp the accumulator and attempt to shake it. Any looseness or movement means the M109A6 is non-mission capable and requires repair by organizational maintenance, to include replacement of screws and lock washers.

B. Correction Procedures. Crew personnel are instructed to make the following pen and ink Preventive Maintenance Checks and Services (PMCS) changes to TM 9-2350-314-10 page 2-31, PMCS table 2-1, item number 25:

(1) Add the following two steps to Crewmember Procedure column: a.1 By grasping and attempting to shake pulse accumulator, ensure accumulator and bracket are securely attached to the hydraulic compartment wall. If looseness or movement occurs, notify organizational maintenance. a.2 Check for loose or missing screws and washers, notify organizational maintenance.

(2) Add the following to Not Fully Mission Capable If column: Hydraulic accumulator or mounting bracket is not secured to hydraulic

compartment wall.

5. Program Sponsor Action: The Project Manager is developing appropriate technical manual changes for incorporation into the next TM revision.

6. Points Of Contact:

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b. Safety. Mr. Gavin Ziegler, AMSTA-CS-CZR, Rock Island, IL 61299-7630, DSN 793-2995, Commercial 309-782-2995, E-Mail: gavin.ziegler@us.army.mil.